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## INDEX TO AMERICAN BOTANICAL LITERATURE

1917-1921

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in the broadest sense.

Reviews, and papers that relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

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**Ames, O.** Notes on Philippine orchids—VII. In Ames, Orchidaceae 6: 273-310. *pl.* 98-101. 18 O 1920.

**Ames, O.** Orchidaceae. fasc. VI. pp. i-xiv + 1-335. *pl.* 80-101. Boston, 18 O 1920.

Includes papers on The orchids of Mount Kinabalu, British North Borneo and Notes on Philippine orchids VII, here indexed separately.

**Ames, O., & Schweinfurth, C.** The orchids of Mount Kinabalu, British North Borneo. In Ames, Orchidaceae 6: 3-233. *pl.* 80-97. 18 O 1920.

**Anderson, J. P.** Supplemental list of plants from southeastern Alaska. Proc. Iowa Acad. Sci. 26: 327-331. 1919.

**Arthur, J. C.** Aecidiaceae (cont.). N. Am. Fl. 7: 337-404. 31 D 1920.

**Arthur, J. C.** New species of Uredineae—XII. Bull. Torrey Club 47: 465-480. 29 O 1920.  
18 new species and several new combinations.

**Bailey, C. H., & Gurjar, A. M.** Respiration of cereal plants and grains. Jour. Biol. Chem. 44: 5-7. *f.* 1; 9-12. *f.* 1; 13-15; 17, 18. O 1920.

**Bakke, A. L., & Plagge, H. H.** Studies upon the absorption and germination of wheat treated with formaldehyde. Proc. Iowa Acad. Sci. 26: 365-375. *f.* 96, 97. 1919.

- Barnhart, J. H.** The so-called generic names of Ehrhart's *Phytolacium*. *Rhodora* **22**: 180-182. 14 Jan 1921.
- Berry, E. W.** Contributions to the Mesozoic flora of the Atlantic coastal plain, XIII. North Carolina. *Bull. Torrey Club* **47**: 397-406 f. 1, 2. 19 O 1920.  
Includes 3 new species.
- Brown, W. H.** Wild food plants of the Philippines. *Philipp. Bur. For. Bull.* **21**: 1-165. f. 1-81. 1920.
- Burt, E. A.** The Thelephoraceae of North America—XII. *Ann. Missouri Bot. Gard.* **7**: 81-248. pl. 2-6 + f. 1-48. 8 D 1920.  
Includes 10 new species in *Stereum*.
- Clute, W. N.** Plant names and their meanings. *Am. Bot.* **26**: 2-10; 57-61; 90-94; 116-124. 1920.
- Conard, H. S., & Thomas, W. A.** Measurements of wood fiber. *Proc. Iowa Acad. Sci.* **26**: 333-335. 1919.
- Cook, M. T.** Report of the department of plant pathology. New Jersey Agr. Exp. Sta. *Ann. Rep.* **40**: 523-535. pl. 1-6. 1920.  
Contains list of plant diseases.
- Cratty, R. I.** The genus *Lactuca* in Iowa. *Proc. Iowa Acad. Sci.* **26**: 239-248. f. 83. 1919.
- Cratty, R. I.** *Ranunculus Purshii* in Iowa. *Rhodora* **22**: 183. 14 Ja 1921.
- Curtis, O. F.** The upward translocation of foods in woody plants. II. Is there normally an upward transfer of storage foods from the roots or trunk to the growing shoots? *Am. Jour. Bot.* **7**: 286-295. 6 Au 1920.
- Davis, W. H.** Mammoth clover rust. *Proc. Iowa Acad. Sci.* **26**: 249-258. f. 84-90. 1919.
- Deam, C. C.** Plants new to Indiana—VIII. *Proc. Indiana Acad. Sci.* **1918**: 144-150. 1919.
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- Ensign, E.** *Rosa pratincola* Greene. *Proc. Iowa Acad. Sci.* **26**: 303-310. 1919.
- Fernald, M. L., & Wiegand, K. M.** Studies of some boreal American cerastiums of the section *Orthodon*. *Rhodora* **22**: 169-179. 14 Ja 1921.  
Includes *Cerastium terrae-novae* sp. nov.
- Fitzpatrick, T. J.** The fern flora of Nebraska. *Proc. Iowa Acad. Sci.* **26**: 311-326. 1919.

- Gustafson, F. G.** Comparative studies on respiration—XI. The effect of hydrogen ion concentration on the respiration of *Penicillium chrysogenum*. Jour. Gen. Physiol. **2**: 617-626. 20 J1 1920.
- Gustafson, F. G.** Comparative studies on respiration—XII. A comparison of the production of carbon dioxide by *Penicillium* and by a solution of dextrose and hydrogen peroxide. Jour. Gen. Physiol. **3**: 35-39. f. 152. 20 S 1920.
- Haupt, A. W.** Gametophyte and sex organs of *Reboulia hemisphaerica*. Bot. Gaz. **71**: 61-74. f. 1-21. 20 Ja 1921.
- Hervey, E. W.** A rare variety of *Vitis labrusca*. Rhodora **22**: 183, 184. 14 Ja 1921.
- House, H. D.** Wild flowers of New York. New York State Museum Mem. **15**: 9-362. pl. 1-264 + f. 1-35. 1919.  
Printed in 2 parts.
- Hoyt, W. D.** Marine algae of Beaufort, N[orth] C[arolina], and adjacent regions. Bull. U. S. Bur. Fish. **36**: 368-556 + iv. pl. 84-118 + f. 1-47. 30 D 1920.  
Includes new species in *Streblonema* (1) and *Nitophyllum*. (1).
- Jeffrey, E. C., & Torrey, R. E.** Physiological and morphological correlations in herbaceous angiosperms. Bot. Gaz. **71**: 1-31. pl. 1-7 + f. 1-4. 20 Ja 1921.
- Kelley, W. P., & Cummins, A. B.** Composition of normal and mottled citrus leaves. Jour. Agric. Research **20**: 161-191. 1 N 1920.
- Kränzlin, F.** Orchidaceae quaedam Americanae. Vidensk. Meddel. Dansk. Naturh. Forening **71**: 169-180.  
Includes new American species in *Pleurothallis* (2), *Restrepia* (1), *Sobralia* (1) *Macradenia* (1), *Warmingia* (1), *Habenaria* (2).
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A synopsis of genera and species of Myxosporidia.
- Ladbrook, J.** A new species of *Coupoui*. Jour. Bot. **58**: 176, 177. J1 1920.  
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- Lamb, G. N.** American grown cork. Am. For. **27**: 15, 16. Ja 1921.
- Leachman, J. C.** Indian uses of kelp. Sci. Am. Mo. **3**: 137-140. F 1921.
- Lillie, R. S.** The place of life in nature. Sci. Am. Mo. **3**: 112-117. F 1921.
- Lloyd, C. G.** Mycological notes **64**: 985-1029. f. 1748-1859 + 3 portraits. S 1920.  
Includes translation of article by C. Torrend: The Polyporaceae of Brazil.

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Studied *Bryophyllum calycinum* Salisb.
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- Mazza, A.** Aggiunte al saggio di algologia oceanica. Nuova Notarisia **30**: 1-62. 1919; **31**: 1-64; 93-160. 1920.
- Munns, E. R.** High temperatures and eucalypts. Jour. For. **19**: 25-33. Ja 1921.
- Nash, G. V.** Hardy woody plants in the New York Botanical Garden. Jour. N. Y. Bot. Gard. **21**: 74-77; 119-124. 1920.
- Noriega, J. M.** Las plantas Mexicanas (cont.). Bol. Dir. Estud. Biol. **2**: 122-151. f. 18-31. Ja 1917.
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Includes several new combinations.
- Pack, D. A.** After-ripening and germination of *Juniperus* seeds. Bot. Gaz. **71**: 32-60. f. 1. 20 Ja 1921.
- Pammel, L. H.** The barberry in Iowa and adjacent states. Proc. Iowa Acad. Sci. **26**: 193-237. f. 52-82. 1919.
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